

MORRAL CANNING MACHINERY



Manufactured by

MORRAL BROTHERS
MORRAL, OHIO

CATALOGUE OF
**MORRAL CANNING
MACHINERY**



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The Morral Green Corn Husking Machine

Either Single or Double

THE MORRAL GREEN CORN HUSKING MACHINE has been in use since the year 1909 and is used exclusively by many of the largest and best Canning Factories of the United States and Canada. It is a wonderful labor saving machine. It has been improved from year to year and our latest model husker has many valuable and patented improvements over previous models.

PATENT AUTOMATIC BUTT REMOVING DEVICE—The Morral Husker has a patent automatic butt removing device which can be set to remove the butt ends of ears of corn without wasting the corn and careless feeders will not waste corn with our patent automatic butt removing device. It has an automatic ear placer that places the ears at the proper place which relieves the feeder of a great deal of labor and it is the most perfect butt removing device in use.

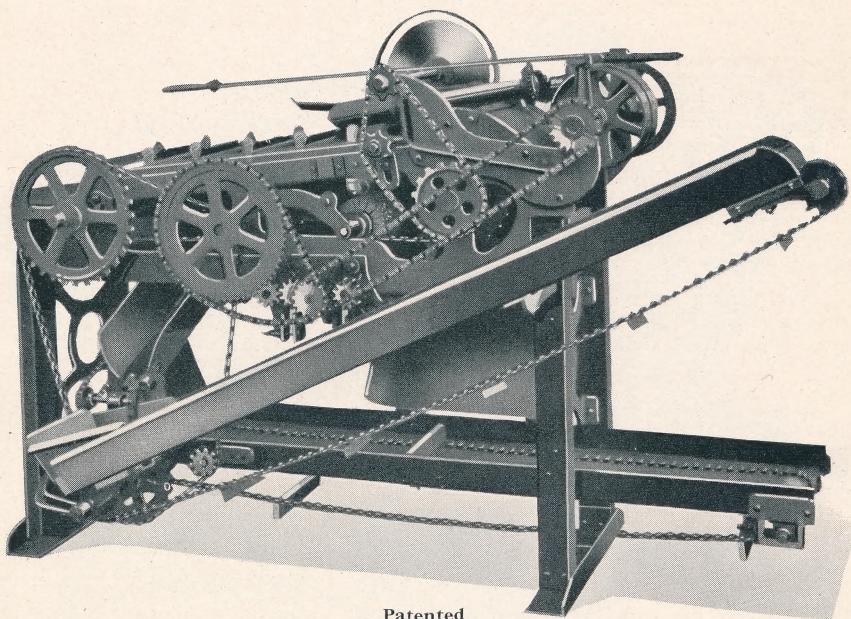
REHUSKING ROLLS—The Morral Husker is equipped with rehusking rolls which is a great improvement over other huskers. After the ears of corn pass over the first sets of husking rolls they drop into inclined rehusking or discharge rolls which takes off all loose husks and silks which makes the work as near perfect as can be done by machinery.

CAPACITY—The Morral Husker has the greatest capacity of any husker on the market and we guarantee it will do good work at a higher speed than any other husker. It has a long feed table and is so easy to operate that the operator can feed more ears per minute on the Morral Husker than any other husker.

CONVEYORS—The Morral Husker is equipped with corn and husk conveyors so it is very easy to install it in a factory with a continuous conveying system.

CONSTRUCTION—Strong compact construction and simplicity of arrangement are cardinal features of the "Morral." A heavy steel frame supports the complete machine, while the upper parts which contain all the important working parts are of heavy one-piece, best grade gray iron castings. All main bearings are built up onto this iron frame, thus insuring great rigidity. Perfect alignment and accurate adjustments are positively assured. The main drive connections, also other operating parts which are subject to hard service are driven with the latest type of roller bearing chain. All sprockets and gears are accurately finished. The husking rolls are of improved pattern. They are a combination of iron, steel and rubber and are made in such a manner that the rubber is protected by the metal so we have all the advantage of both metal and rubber for husking. The rehusking rolls are made of iron and steel. The husking rolls are made in sections so if any part of the roll is injured it is not necessary to replace the entire roll. The bearings in which the rolls operate are removeable and are made of the best quality anti-friction metal. All other bearings are amply large and have linings of A1 quality babbitt metal. Every "Morral" is sent out under a guarantee, each part being guaranteed perfect in design, material and workmanship.

The Morral Single Green Corn Husking Machine

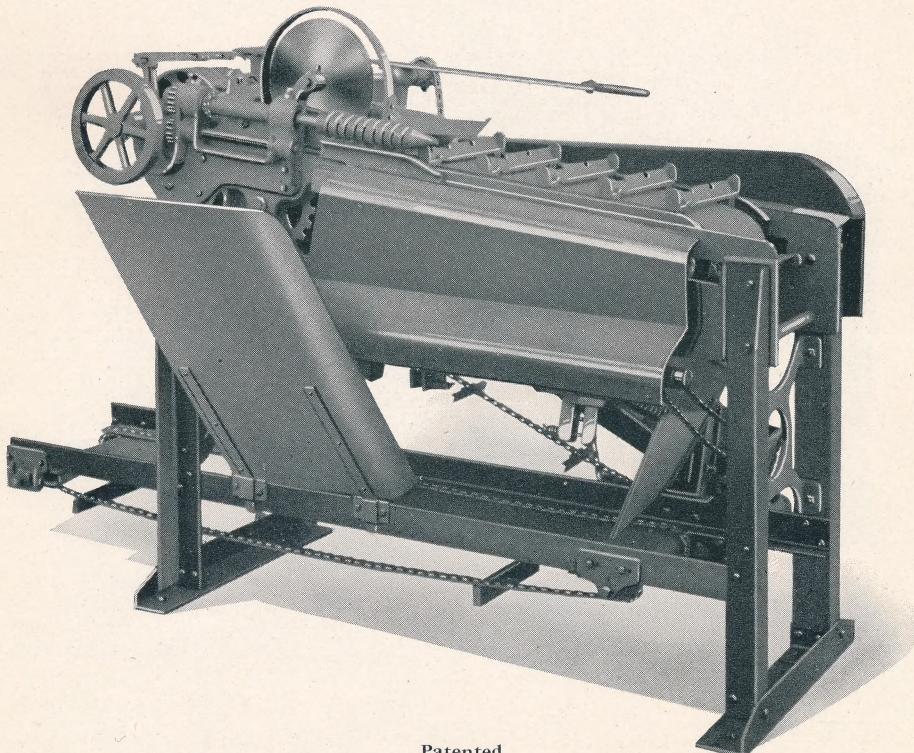


Cut showing right hand side of Single Corn Husking Machine with guards for drive chains and gears removed.

THE MORRAL SINGLE HUSKER is our first design of husker and has been in general use since the year 1909 and has become very popular with a great many Canners. It is the fastest single husking machine on the market.

THE MORRAL HUSKER OPERATES AS FOLLOWS:—The operator stands at one side of the machine near the front end of the husker and places the ears of corn onto an endless feeding carrier which takes it to an automatic placer. This operates in connection with an Automatic butt removing device (an exclusive patented feature found only on the "Morral.") This device is self-adjusting and automatically delivers the ears of corn to a revolving trimming knife where the butts are cut off. The butts or trimmings drop into an apron spout and then into the husk conveyor. After trimming, the ears are next carried along to the husking rolls where the husks and most of the silks are taken off. After this operation the ears drop onto the inclined rehusking or discharge rolls where all loose husks and silks are removed from the ears. After these operations the silks and husks are separated from the ears, dropping into a conveyor underneath and are discharged at the tail-end of machine while the finished ears of corn drop into a conveyor or elevator which extends along the side of the machine and the corn is delivered from the elevator into the factory corn conveyor or any suitable receptacle as desired.

The Morral Single Green Corn Husking Machine

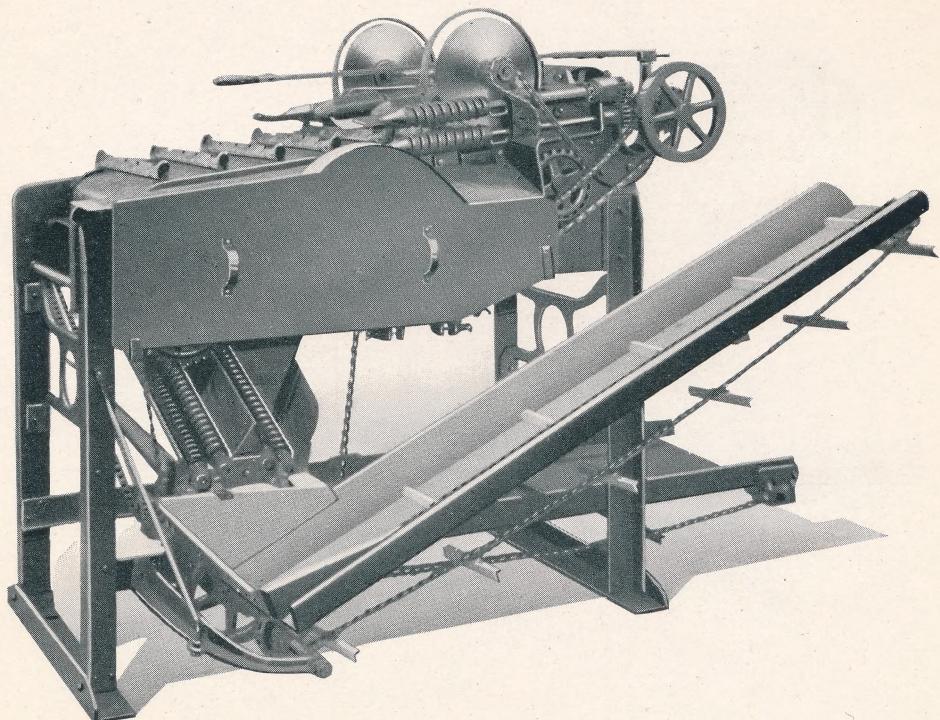


Cut showing left hand side of Single Corn Husking Machine

Dimensions, Speed, Etc., of Single Husker

Extreme height.....	4 ft. 9 in.	Width on floor.....	2 ft. 4 in.
Extreme length.....	7 ft.	Height of feed.....	3 ft. 6 in.
Extreme width.....	3 ft. 10 in.	Height to center of drive	
Length on floor.....	5 ft. 1 in.	pulley.....	3 ft. 9 in.
Speed of drive pulley.....	400 revolutions per minute		
Size of drive pulley (tight and loose)			10 $\frac{1}{4}$ x 3 $\frac{1}{4}$ in.
Approximate shipping weight.....			1500 lbs.

The Morral Double Green Corn Husking Machine



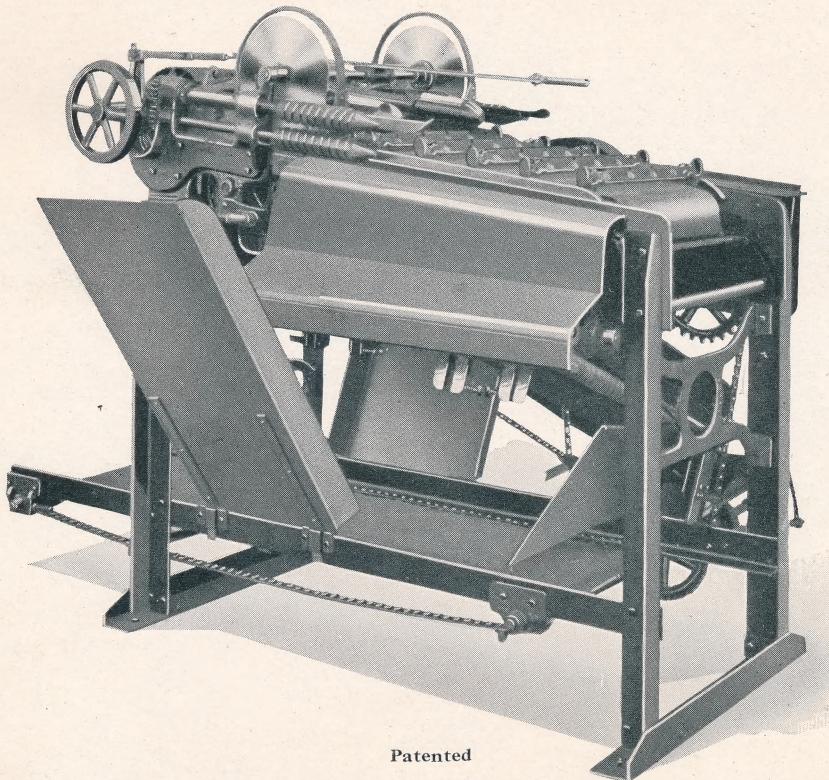
Patented

Cut showing right hand side of Double Corn Husking Machine

THE MORRAL DOUBLE CORN HUSKING MACHINE is our latest design of husker and has been in general use since the year 1913. It is the same design of husker as our single husker except it is built larger and stronger and is equipped with two butt removing devices which are arranged so two feeders can feed at one time, a feeder standing on each side of the machine. The most of our customers prefer the double husker as the first cost is less and they only require half as many machines, about half as much floor space, half as many belts and pulleys and about two thirds as much power as is required with enough single huskers to do the same amount of work. The upkeep is less on double huskers as you only have half as many machines to look after and keep in repair and for this reason we recommend the double husker as the most economical husker to use and a great many users of single huskers are replacing them with Morral Double Huskers.

GREAT CAPACITY—The Morral Double Husker will do absolutely twice as much work as two single huskers and it has the greatest capacity of any green corn husking machine on the market.

The Morral Double Green Corn Husking Machine



Cut showing left hand side of Double Corn Husking Machine

SIMPLICITY OF CONSTRUCTION—The Morral Double Husker has twice the capacity of our single husker and has very little more machinery or working parts.

FLOOR SPACE REQUIRED—The Morral Double Husker is just one foot wider than our Morral Single Husker and requires very little more floor space. This is quite an object to Canners who have not much room in the husking shed.

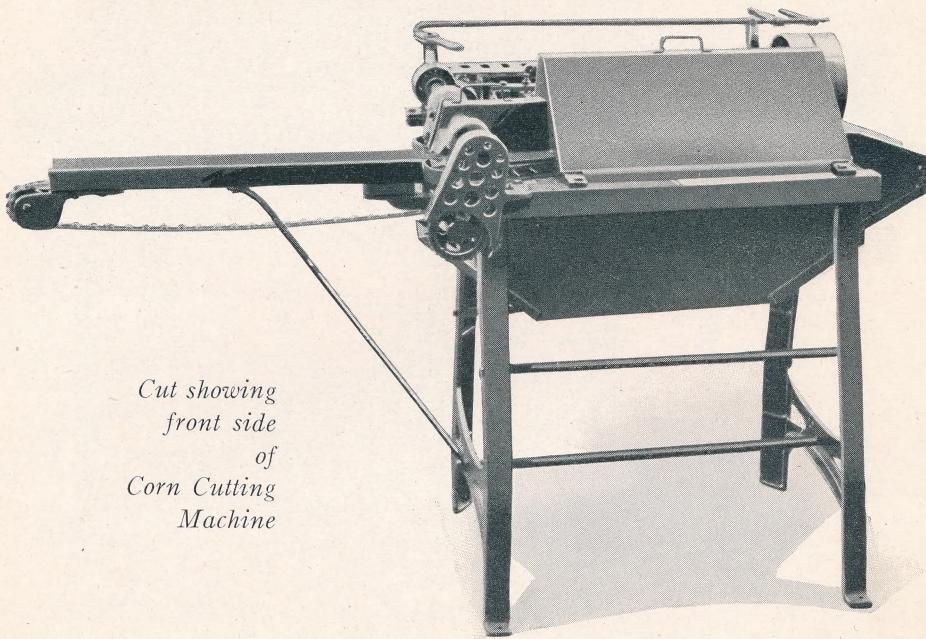
Dimensions, Speed, etc., of Double Husker

Extreme Height.....	5 ft. 6 in.	Width on floor.....	3 ft. 2 in.
Extreme Length.....	7 ft.	Height of feed.....	4 ft. 3 in.
Extreme width.....	4 ft. 10 in.	Height to center of drive	
Length on floor.....	5 ft. 1 in.	pulley.....	4 ft. 6 in.

Speed of drive pulley.....	400 Rev. per minute
Diameter of drive pulley (tight and loose).....	10 $\frac{1}{4}$ x 4 $\frac{1}{4}$ in.
Approximate shipping weight.....	2100 lbs.

The Morral Green Corn Cutting Machine

Either Single or Double Cut



*Cut showing
front side
of
Corn Cutting
Machine*

Patented

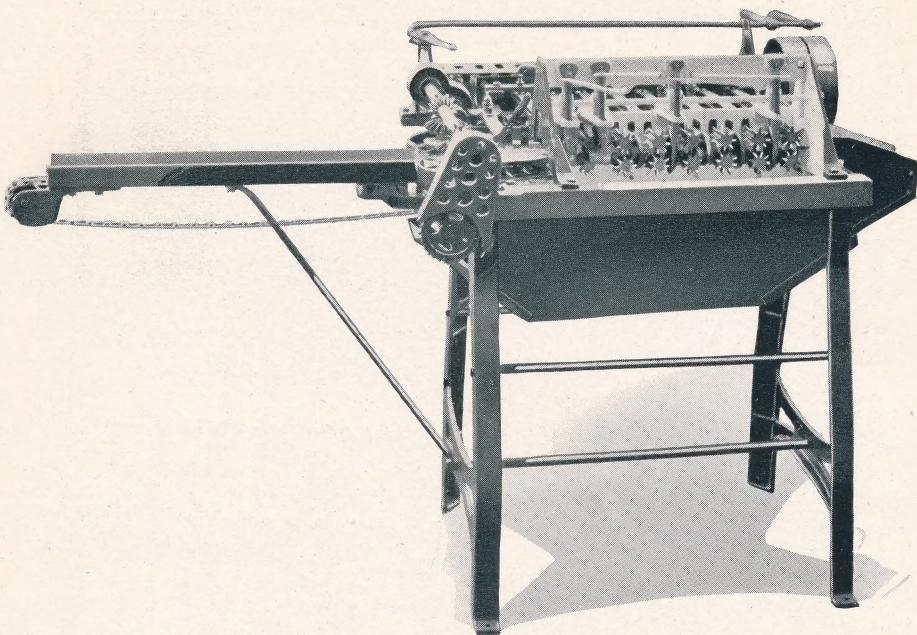
THE MORRAL CORN CUTTING MACHINE has been in general use since the year 1899 and is the result of our many years of experience in the manufacture of Corn Cutting Machines. It has many valuable and patented improvements over other cutters.

CONSTRUCTION—The Morral Cutter is a very strongly built and substantial machine. It is very simple and has less working parts than any other cutter on the market. The Morral Cutter has always been noted for its simplicity and durability and our latest improved cutter will surpass any cutter we have ever built. It is built heavier and stronger than our previous models, shaftings are heavier, bearings are made longer insuring long life to the machine and our latest improved cutter will require less repairs under hard usage than any cutter on the market. The machine has a new closed corn chute and all working parts are completely housed in to prevent the waste of corn or corn juice, also to insure against accidents to the operator.

DOUBLE CUT—The Morral Corn Cutter is the first and original double cut Cutter and it has a feeding device that will not mutilate the kernels of corn and it will double cut corn better than any other machine on the market.

SINGLE CUT—If it is desired to only single cut the corn the machine can be changed in an instant by changing the front knife arms and removing the rear set of vertical knives.

SPLIT AND CUT—We also furnish splitting and cutting attachments when desired.



Patented

Cut showing front side of Corn Cutting Machine with covers over knives and scrapers removed

THE KNIVES—The knives on the machine are adjustable and can be set to cut any depth desired.

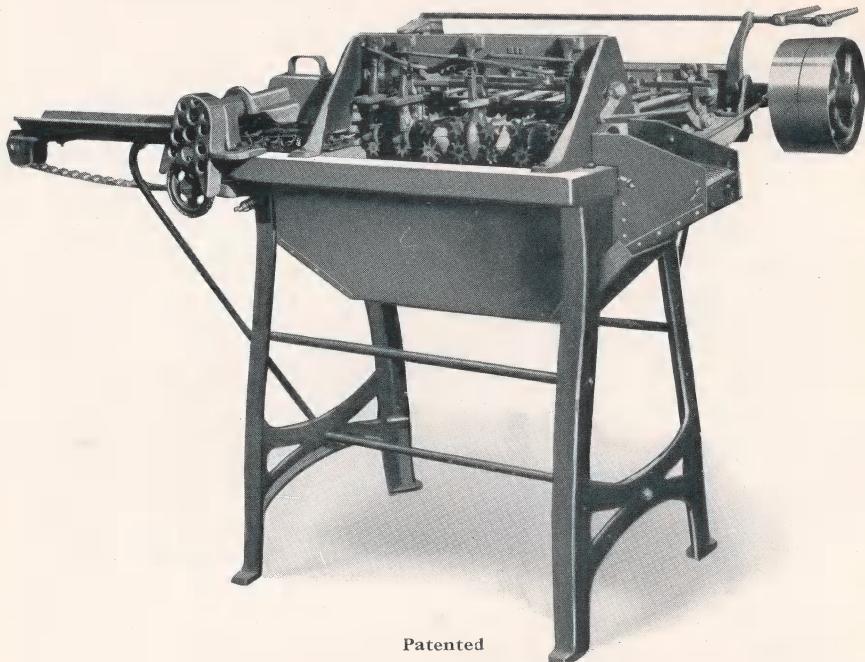
THE SCRAPERS are of the best pattern and will scrape the cobs thoroughly and can be set to scrape as much or little as desired.

CORN-COB SHAKING DEVICE—The Morral Corn Cutter is equipped with a shaking device to shake the cobs when they are discharged at the rear end of the machine to remove any corn that might be carried out with the cobs and it saves a great deal of corn and is a great improvement.

THE TENSION REGULATOR AND EQUALIZING DEVICE control the cob rolls uniformly, so that all ears will be fed to the center of the knives and scrapers. The equalizing device is an improvement over any other equalizing device in use, as it is very simple and does not have as many joints and wearing parts, as other equalizing devices, which soon get out of working order.

THE FEED consists of toothed belts which carry the ears of corn through the knives and a series of rollers which carry the cobs through scrapers. The toothed belts make a positive feed and are a great improvement over spur wheels used in other machines, as they do not mutilate the kernels like the spur wheels do and it is almost impossible to make a nice clean cut after several spur wheels have passed over the kernels. The advantage of the toothed belts is very noticeable on double cut corn, as it is impossible to double cut corn and make a nice clean cut after the kernels have been mutilated.

The Morral Green Corn Cutting Machine



Patented

Cut showing the Morral Corn Cutting Machine with cob shaking attachment at rear end of cutter.

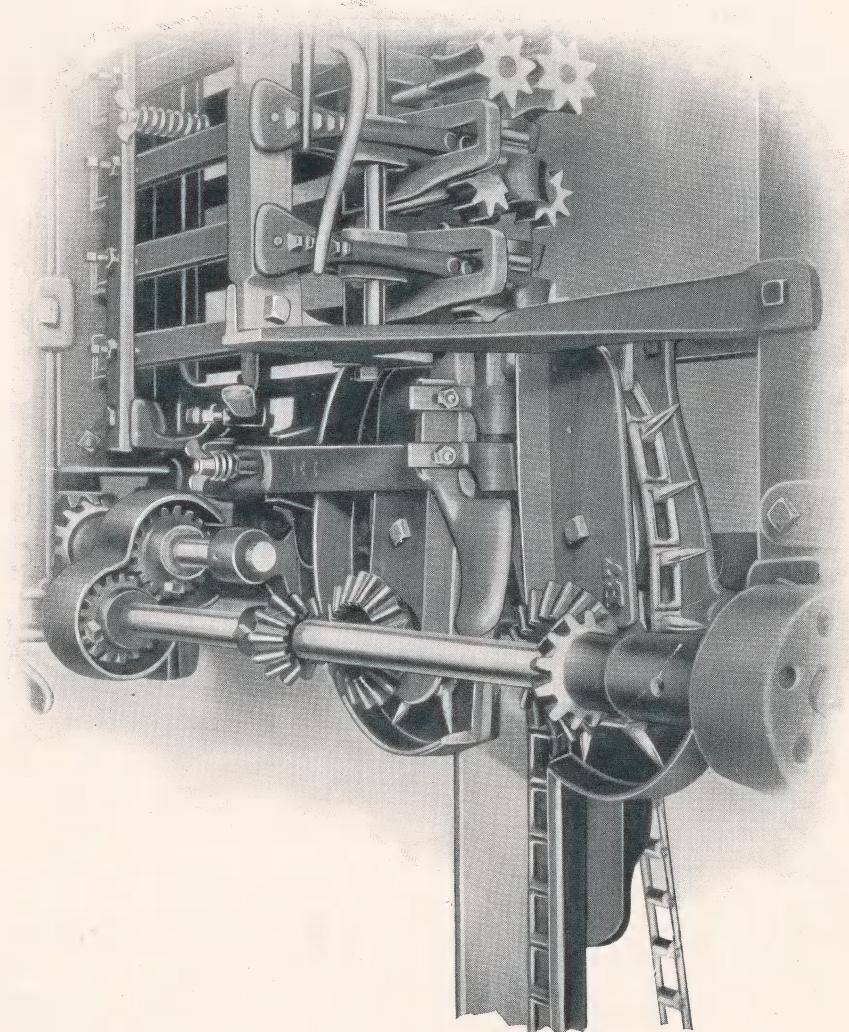
POSITIVE FEED—The Morral Corn Cutter has the most positive feed of any cutter in use. Small nubbins and pieces of ears are the hardest to cut and the Morral Cutter will cut nubbins and pieces of ears better than any cutter. Therefore you will get a larger output of cans per ton with Morral Cutters than any other cutter.

SPREADING DEVICE—It has a spreading device whereby the knives and all the scrapers can be thrown open at once by moving a lever. This is a great improvement over any other cutter, for if an ear of corn should clog in the knives or scrapers it can be removed in an instant by our spreading device.

GOLDEN BANTUM CORN—We furnish special knife arms, knives and scrapers for cutting Golden Bantum Corn and when the machine is equipped with attachments for cutting Golden Bantum Corn it does fine work and will cut the small Bantum Corn better than any cutter in use.

Dimensions, Speed, Etc., of Cutter

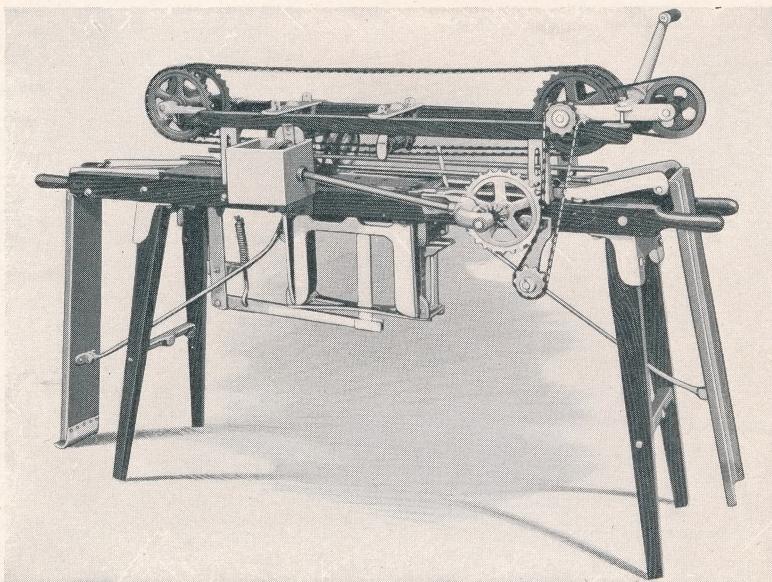
Extreme height.....	3 ft. 8 in.	Width on floor.....	2 ft. 1 in.
Extreme length.....	6 ft. 4 in.	Height of feed trough.....	3 ft.
Extreme width.....	3 ft.	Height to center of drive	
Length on floor.....	2 ft. 8 in.	pulley.....	3 ft. 1/2 in.
Speed of drive pulley.....		400 Rev. per minute	
Size of drive pulley (tight and loose).....		9 3/4 x 2 1/2 in.	
Approximate shipping weight.....			760 lbs.



Patented

Enlarged Sectional View of the Morral Corn Cutting Machine with double cut attachments showing the cutting head which gives a good view of the toothed feed belts and double sets of knives.

The Morral Labeling Machine



Patented

THE MORRAL LABELING MACHINE has been in use for a number of years. We have improved this machine from year to year and our latest improved model has many valuable improvements over our earlier models.

CONSTRUCTION—The Morral Labeling Machine is very simple in construction and has less working parts than any other machine in use. It is easily adjusted and kept in working order.

GUM PICK UP—The Morral Labeling Machine has a gum pick-up. The labels are picked up with gum which is applied to the labels by means of a small roller and paste is applied to the lap-end of the labels by means of a small belt. Any good standard pick-up gum can be used for picking up the labels and any good standard paste can be used to paste down the lap-ends of the labels, and it uses a very small amount of gum and paste. The roller that applies the gum works in a box that is held underneath the machine by thumb nuts and the box and roller can be easily removed when they need to be cleaned, which is very convenient.

GUARANTEE—We guarantee the Morral Labeling Machine to be well built of good material and to do as good and as much work as any other machine on the market when run in accordance with the directions furnished.

**OUR MACHINES ARE ALL COVERED BY PATENTS AND ALL
PARTIES ARE WARNED AGAINST PURCHASING
INFRINGEMENT MACHINES**

All Machines manufactured by Morral Brothers are guaranteed and our interest in the users of our machines and the service the machines give does not end upon payment of invoice.

GUARANTEE:—We guarantee all Morral Machinery to be well made of good material and to do good and satisfactory work when set up and operated in accordance with instructions furnished and if they do not do as guaranteed they can be returned.

It is not just what we claim for our machines but what our customers proclaim that has helped us to sell thousands of Morral Machines and place them in many of the largest and best canning factories. We would be pleased to have you write us for a list of users and copies of testimonial letters from users of Morral Machines.

We sell the most of our machines by correspondence and do not keep regular traveling salesmen on the road and for this reason we can furnish you machines for less money than other manufacturers and it will pay you to get our prices before you place your order.

Very respectfully,

Morral, Ohio.

MORRAL BROTHERS.

